

Title (en)

VALVE ASSEMBLY FOR AN INJECTION VALVE, INJECTION VALVE AND METHOD FOR ASSEMBLING AN INJECTION VALVE

Title (de)

VENTILGRUPPE FÜR EIN EINSPRITZVENTIL, EINSPRITZVENTIL UND VERFAHREN ZUR MONTAGE EINES EINSPRITZVENTILS

Title (fr)

ENSEMBLE SOUPAPE POUR UNE SOUPAPE D'INJECTION, SOUPAPE D'INJECTION ET PROCÉDÉ POUR ASSEMBLER UNE SOUPAPE D'INJECTION

Publication

**EP 3359803 A1 20180815 (EN)**

Application

**EP 16760030 A 20160829**

Priority

- EP 15188873 A 20151008
- EP 2016070281 W 20160829

Abstract (en)

[origin: EP3153700A1] A valve assembly (3) comprises a valve body (5) with a cavity (7) and a valve needle (13) axially moveable in the cavity (7). The valve assembly (3) further comprises a preloaded calibration spring (15) for biasing the valve needle (13), the calibration spring (15) comprising an axially compliant spring element (27), the spring element (27) having a lower part (29) which is allocated near one end of the needle (13) and an upper part (31) which is allocated at a distance from the needle (13), wherein the calibration spring (15) is preloaded by press-fitting a fixing region (35) of the calibration spring (15) with a fixing element of the valve assembly (3), wherein the fixing region (35) extends laterally around the upper part (31) of the spring element (27) and/or from the upper part (31) of the spring element (27) downwards towards the lower part (29).

IPC 8 full level

**F02M 61/16** (2006.01); **F02M 61/20** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2017060005A1

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